

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

2343-172-27

First Inventor or Application Identifier

Akshaya KUMAR

Title

FIBER OPTICAL LASER-INDUCED BREAKDOWN SPECTROSCOPY  
DEVICE AND METHODS OF USE

17497 U.S. PTO  
10/662347



09/16/03

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
PO Box 1450  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original and a duplicate for fee processing)  
☒ Applicant claims small entity status.
2. ☒ Specification Total Pages
3. ☒ Drawing(s) (35 U.S.C. 113) Total Sheets
4. ☐ Oath or Declaration Total Pages 
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. §1.63(d))  
(for continuation/divisional with box 16 completed)
5. ☐ Incorporation By Reference (usable if box 4B is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4B, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

**ACCOMPANYING DOCUMENTS**

6. ☐ Assignment Papers (cover sheet & document(s))
7. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
8. ☐ English Translation Document (if applicable)
9. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
10. ☐ Preliminary Amendment
11. ☒ White Advance Serial No. Postcard
12. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
13. ☐ Request for Priority
14. ☒ List of Inventors' Names and Addresses
15. ☐ Other:

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.:

Prior application information: Examiner:

Group Art Unit:

17. Amend the specification by inserting before the first line the sentence:

☐ This application is a ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP)  
of application Serial No. Filed on

☐ This application claims priority of provisional application Serial No. Filed

**18. CORRESPONDENCE ADDRESS**

Supervisor, Patent Prosecution Services  
PIPER RUDNICK LLP  
1200 Nineteenth Street, N.W.  
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Name	Steven B. Kelber	Registration No.	30,073
Signature		Date	9/16/03
Name	Patrick R. Delaney	Registration No.	45,338

Telephone 202-861-3900

18334 U.S. PTO  
09/16/03

# FEE TRANSMITTAL

Docket No.	2343-172-27
Serial No.	New Application
Filing Date	Herewith
Inventor(s)	Akshaya KUMAR, et al.
Group Art Unit	
Examiner	

TOTAL AMOUNT OF PAYMENT \$539.00

1. ☒ Applicant claims small entity status.
- ☐ Charge any **UNDERPAYMENT** or credit any **OVERPAYMENT** in the indicated fees to Deposit Account No. 50-1442.
- ☐ Charge the indicated fees to Deposit Account No. 50-1442.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge-late filing fee or oath	\$65.00

2. ☒ Check enclosed.

### FEE CALCULATION

#### 1. BASIC FILING FEE

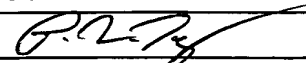
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	\$375.00
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				\$375.00	

#### 2. EXTRA CLAIM FEES

tot. claims	31	-	20*	=	11	x	\$9	=	99	1403	280	2403	140	Request for Oral Hearing	
ind. claims	3	-	3*	=	0	x	\$42	=	0	1501	1300	2501	650	Utility/Reissue Issue Fee	
<input type="checkbox"/>	Multiple Dependent Claims						\$140	=		1502	470	2502	235	Design Issue Fee	
Large Entity		Small Entity		Fee Description					1503	630	2503	315	Plant Issue Fee		
Fee Code	Fee (\$)	Fee Code	Fee (\$)						1460	130	1460	130	Petitions to the Commissioner		
1202	18	2202	9	Claims in excess of 20					1806	180	1806	180	IDS Submission		
1201	84	2201	42	Independent claims in excess of 3					8021	40	8021	40	Assignment		
1203	280	2203	140	Multiple dependent claim, if not paid					1801	750	2801	375	For Filing RCE		
1204	84	2204	42	*Reissue independent claims over original patent					1802	900	1802	900	Expedited Design		
1205	18	2205	9	*Reissue claims in excess of 20 and over original patent					OTHER (indicate below):						
SUBTOTAL (2)								\$99.00							

\* or number previously paid, if greater; For Reissues, see above

SUBTOTAL (3) \$65.00

Name	Steven B. Kelber	Registration No.	30,073
Signature		Date	9/15/03
Name	Patrick R. Delaney	Registration No.	45,338
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DOCKET NO. 2343-172-27

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Akshaya KUMAR, et al.

ART UNIT:

SERIAL NO.: New Application

EXAMINER:

FILING DATE: Herewith

FOR: FIBER OPTIC LASER-INDUCED BREAKDOWN SPECTROSCOPY  
DEVICE AND METHODS OF USE

**LIST OF INVENTORS' NAMES AND ADDRESSES**

ASSISTANT COMMISSIONER FOR PATENTS

PO BOX 1450

ALEXANDRIA, VA 22313-1450

SIR:

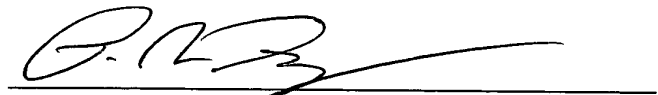
Listed below are the names and addresses of the inventors for the above-identified patent application.

- |    |  |    |   |
|----|--|----|---|
| 1) | Akshaya Kumar<br>17 Bulldog Circle<br>Starkville, MS 39759       | 4) | Jagdish P. Singh<br>202 Setter lane<br>Starkville, MS 39759 |
| 2) | Fang Yu-Yueh<br>601 Shadowood Lane<br>Starkville, MS 39759       |    |   |
| 3) | Shane C. Burgess<br>1490 Bell Oaks Drive<br>Starkville, MS 39759 |    |   |

A declaration containing all the necessary information will be submitted at a later date.

Respectfully submitted,

PIPER RUDNICK LLP



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